

SYSTEM AND METHOD FOR REVIVING CATASTROPHIC CODES

Abstract of the Disclosure

A system and method of the present invention
revives a catastrophic code used for channel coding
data. A data receiving circuit receives a digital
5 input data sequence to be coded with a code having a
distance spectrum containing an infinite component that
corresponds to a finite hamming weight such that the
code may cause catastrophic error propagation. The
circuit is operative for periodically inserting known
10 symbols into the digital input data sequence. An
encoder, such as a convolutional encoder, is
operatively connected to the data receiving circuit and
encodes the digital input data sequence.